

DECLARATION UNDER 35 USC §371(c)(4) FOR PCT APPLICATION FOR UNITED STATES PATENT

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below under my name;

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought, namely the invention entitled: VITREOUS COMPOSITIONS OF THE VITROCERAMIC TYPE, TRANSPARENT TO INFRARED

described and claimed in international application number PCT/FR2004/050311 filed July 5, 2004.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) filed by me or my legal representatives or assigns within one year prior to my international application are hereby claimed:

French Patent Application No. 03/08298 filed July 7, 2003

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to my international application, or (b) before the filing date of the above-named foreign priority application(s):

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, CUSTOMER NUMBER 25944, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1	Typewritten Full Name of Sole or First Inventor:	<u>Xianghua</u>			<u>ZHANG</u>
		Given Name	Middle Initial	Family Name	
2	Inventor's Signature:	<u>Xianghua</u>			<u>Zhang</u>
3	Date of Signature:	<u>03</u>	<u>07</u>	<u>2006</u>	
		Month	Day	Year	
	Residence:	<u>Cesson-Sevigne</u>			<u>France</u>
		City	State or Province	Country	
	Citizenship:	<u>FRANCE</u>			
	Post Office Address:	<u>34 rue des Grandes Mottes</u>			
	(Insert complete mailing address, including country)	<u>F-35510 CESSON-SEVIGNE FRANCE</u>			

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.

1 **Typewritten Full Name of Joint Inventor:** Jacques LUCAS
 2 **Inventor's Signature:** *Jacques* Given Name Middle Initial Family Name
 3 **Date of Signature:** 03 07 2006
 Month Day Year
 Residence: Betton City State or Province France
 Citizenship: FRANCE Country
 Post Office Address: 34, rue du Parc
 (Insert complete mailing address, including country) F-35830 BETTON FRANCE

1 **Typewritten Full Name of Joint Inventor:** Hongli MA
 2 **Inventor's Signature:** *Hongli* Given Name Middle Initial Family Name
 3 **Date of Signature:** 03 07 2006
 Month Day Year
 Residence: Cesson-Sevigne City State or Province France
 Citizenship: FRANCE Country
 Post Office Address: 34 rue des Grandes Mottes
 (Insert complete mailing address, including country) F-35510 CESSON-SEVIGNE FRANCE

1 **Typewritten Full Name of Joint Inventor:** Jean-Luc ADAM
 2 **Inventor's Signature:** *Jean-Luc* Given Name Middle Initial Family Name
 3 **Date of Signature:** 7 7 2006
 Month Day Year
 Residence: Rennes City State or Province France
 Citizenship: FRANCE Country
 Post Office Address: 9, Allee Maturin Hardy de la Largere
 (Insert complete mailing address, including country) F-35700 RENNES FRANCE

1 **Typewritten Full Name of Joint Inventor:**
 2 **Inventor's Signature:** Given Name Middle Initial Family Name
 3 **Date of Signature:** Month Day Year
 Residence: City State or Province Country
 Citizenship: Country
 Post Office Address:
 (Insert complete mailing address, including country)

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.

This form may be executed only when attached to the first page of the Declaration and Power of Attorney of the application to which it pertains.

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Xianghua ZHANG et al.

Application No.: 10/562,728

Filed: April 3, 2006

Docket No.: 126539

For: VITREOUS COMPOSITIONS OF THE VITROCERAMIC TYPE, TRANSPARENT TO INFRARED

**TRANSMITTAL OF POWER OF ATTORNEY AND
STATEMENT UNDER 37 CFR § 3.73(b)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith is a Power of Attorney from the Assignees.

In compliance with 37 CFR §3.73(b), the undersigned hereby states that CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE and UNIVERSITE RENNES 1 are together the assignees of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors of the patent application identified above. A copy of the assignment is attached hereto and is concurrently being submitted for recordation.

The undersigned is authorized to act on behalf of the assignee.

In accordance with 37 CFR §1.36(a), submission of this Power of Attorney revokes any powers of attorney previously given.

**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD
BE SENT TO OLIFF & BERRIDGE, PLC, CUSTOMER NO. 25944, TELEPHONE
(703) 836-6400.**

Respectfully submitted,



William P. Berridge
Registration No. 30,024

Randi B. Isaacs
Registration No. 56,046

WPB:RBI/crh
Date: April 3, 2006

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE
UNITED STATES PATENT AND TRADEMARK OFFICE**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Assignee Name and Address: Centre National de la Recherche Scientifique

3 rue Michel-Ange

75794 PARIS CEDEX 16 - FRANCE

appoints the patent practitioners associated with Oliff & Berridge, PLC, Customer Number 25944 to represent before the United States Patent and Trademark Office (USPTO) in connection with any and all U.S. patent applications assigned to the above-named assignee.

The undersigned is authorized to act on behalf of the assignee.

**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION
SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, TELEPHONE (703) 836-6400,
CUSTOMER NO. 25944.**

July 08th 2005
Date



Le Responsable du Pilotage
de la Valorisation

Signature

Frédéric FOUBERT
Typed Name: **Frédéric FOUBERT**

Title: Head of Technology Transfer

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

GENERAL POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Owner Name: UNIVERSITE RENNES 1

hereby appoints the patent practitioners associated with Oliff & Berridge, PLC Customer No. 25944 as attorneys of record to prosecute any and all patents and patent applications in which this General Power of Attorney is filed, and all continuations and divisions thereof, owned in whole or in part by the above-named owner, and to transact all business in the Patent and Trademark Office.

The undersigned is authorized to execute this document as or on behalf of the owner.

**ALL CORRESPONDENCE SHOULD BE SENT TO OLIFF & BERRIDGE, PLC,
CUSTOMER NO. 25944, TELEPHONE (703) 836-6400.**

01/03/06
Date

Signature

P/le Président et par délégation
Typed Name: le Vice-Président

Title: J.J. DURAND
(if acting on behalf of an Owner)

ASSIGNMENT

(1-8)	Insert Name(s) of Inventor(s)	(1) <u>Xianghua ZHANG</u>	(5) _____
		(2) <u>Jacques LUCAS</u>	(6) _____
		(3) <u>Hongli MA</u>	(7) _____
		(4) <u>Jean-Luc ADAM</u>	(8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9)	Insert Name of Assignee	(9) <u>A) CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE B) UNIVERSITE RENNES 1</u>
(10)	Insert Address of Assignee	(10) <u>A) 3, rue Michel Ange F-75794 Paris FRANCE B) 2, rue du Thabor F-35065 Rennes FRANCE</u>

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11)	Insert Identification such as Title, Case Number, or Foreign Application Number	(11) <u>VITREOUS COMPOSITIONS OF THE VITROCERAMIC TYPE, TRANSPARENT TO INFRARED</u>
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(Attorney Docket No. 126539)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12)	Insert Date of Signing of Application	(12) on <u>March 7, 2006</u>
(13)	Alternative Identification for filed applications	(13) U.S. application Serial Number <u>10/562,728</u> filed <u>April 3, 2006</u>

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>Mars 107 / 2006</u>	Inventor Signature	<u>Xianghua ZHANG</u>	(SEAL)
Date	<u>03 / 07 / 2006</u>	Inventor Signature	<u>Jacques Lucas</u>	(SEAL)
Date	<u>03 / 07 / 2006</u>	Inventor Signature	<u>Hongli Ma</u>	(SEAL)
Date	<u>03 / 07 / 2006</u>	Inventor Signature	<u>Jean-Luc Adam</u>	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	<u>03 / 07 / 2006</u>	Witness	<u>Bruno BUREAU</u>
Date	<u>03 / 07 / 2006</u>	Witness	<u>Johann TROLES</u>